VORTEX DIVING
VORTEX MARINE
CONSTRUCTION
DEEP OCEAN ENGINEERING

CORPS OF ENGINEERS
CELEBRATE SAFETY CONFERENCE

ATLANTA, GA

NOVEMBER 18-19, 2003

E. van Zuthem / J. Phillippi

VORTEX DIVING
VORTEX MARINE CONSTRUCTION
DEEP OCEAN ENGINEERING

- Established in 1992
- Headquarters in Oakland, C
- Annual volume ~ $25 Mln.

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MARINE CONSTRUCTION

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CELEBRATE MOBILE DISTRICT SAFETY

CHARTERS / SALVAGE / EMERGENCY RESPONSE

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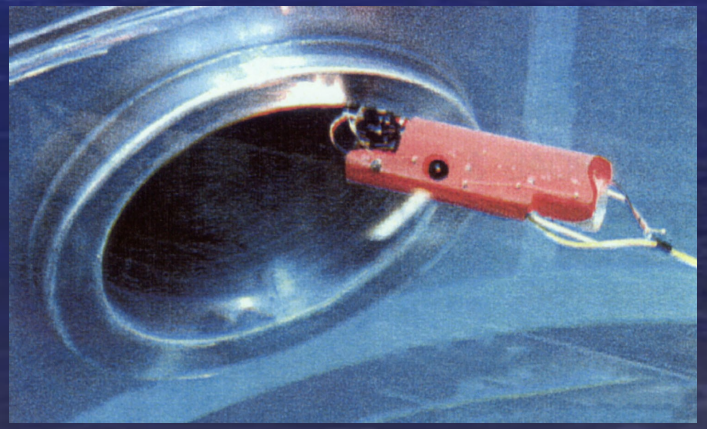
UNDERWATER INTERVENTION TECHNOLOGY



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Mission Statement

The ownership and management of Vortex Diving Inc. recognize that there are inherent risks associated with marine and heavy construction. Every effort will be made to ensure a safe working environment for our employees, project owners, and subcontractors.

In order to accomplish this, we will diligently strive to understand the particular risks of each project and ensure that our operations, procedures, and policies promote safe work practices.

The management of Vortex has been advised of their health and safety responsibilities, and agree to be held accountable for incorporating the program contained herein into their operations.

Furthermore, every employee of Vortex has a responsibility to himself, and to those he works with, to utilize and promote safe work practices and procedures at all times.

"We love our job. A safe and productive worksite is what keeps us coming back for more!"
Anonymous Pilebutt

Blaise C. Fettig
President

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VORTEX COMMITMENT TO SAFETY

- Employee Incentive Program “Safety Bucks”
- Weekly Safety Meetings
- Job/Activity Hazard Analysis (JHA)
- Corporate Safety Audits
- PM’s self assessment Audit

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Vortex Showcase Project:

Walter F. George Lock & Dam
Cut off Wall Installation

Chattahoochee River
Ft. Gaines, GA

Spillway View Facing North

14 Spillway Gates

88’ Difference in Upper & Lower Pool

Spillway Facing West

Working In Front of Spillway

Brad Shoffit – Project Superintendent

Sequoya – 1,200 HP Tug Boat

Dive Barge

Drilling Spoils Barge

ROV – Remote Operated Vehicle

Sonar & Video Used For Quality Control

Eliminated Many Inspection Dives

ROV

Rear View of Thrusters

Set up For Excavation

Pile 187 Obstruction

Lock Intake Grating

Chisels Used To Break

Chisel Used To Break Concrete Mass

Lock Apron Formwork

Moving Crane Across

Moving Crane Across

Splicing 80’ Sheet Pile

Placing Flowable Fill in Alabama

Alabama Platform Used for Hydro Mill

Alabama Platform

Diver Preparing to Enter the Water

Diver Entering Water

Pumping Concrete Over the Lock

Pumping Concrete

Installing Sheet Pile On Levee Platform

Levee Platform Backfilled with

Levee Platform
H – Piles for Tie Backs